

ABSTRACT

A hermetically sealed connector and method for providing the same is provided.

Generally, the connector contains a header having a series of pins secured therein, wherein the header has an upper lip portion that extends in a direction perpendicular to a central axis of a pin within the series of pins. The header also has a lower lip portion that extends in a direction perpendicular to the upper lip portion. The connector also contains an outer body having a series of clearance layers therein that are defined by an inner wall of the outer body, wherein each clearance layer within the series of clearance layers has an associated diameter, and wherein the header is connected to a first portion of the inner wall via a solder joint that extends from the lower lip portion of the header to the first portion of the inner wall. The first portion of the inner wall also has at least two different diameters.